

Product datasheet for **TP310828**

GNG13 (NM_016541) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human guanine nucleotide binding protein (G protein), gamma 13 (GNG13), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210828 protein sequence Red=Cloning site Green=Tags(s)

MEEWDVPQMKKEVESLKYQLAFQREMAKTIPELLKWIEDGIPKDPFLNPDLMKNNPWVEKGKCTIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	7.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_057625
Locus ID:	51764
UniProt ID:	Q9P2W3
RefSeq Size:	1001
Cytogenetics:	16p13.3



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RefSeq ORF: 201

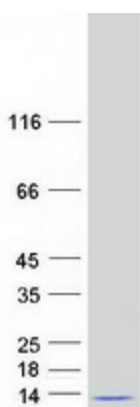
Synonyms: G(gamma)13; h2-35

Summary: Heterotrimeric G proteins, which consist of alpha (see MIM 139320), beta (see MIM 139380), and gamma subunits, function as signal transducers for the 7-transmembrane-helix G protein-coupled receptors. GNG13 is a gamma subunit that is expressed in taste, retinal, and neuronal tissues and plays a key role in taste transduction (Li et al., 2006 [PubMed 16473877]).[supplied by OMIM, Oct 2009]

Protein Families: Druggable Genome

Protein Pathways: Chemokine signaling pathway, Taste transduction

Product images:



Coomassie blue staining of purified GNG13 protein (Cat# TP310828). The protein was produced from HEK293T cells transfected with GNG13 cDNA clone (Cat# [RC210828]) using MegaTran 2.0 (Cat# [TT210002]).